Searching PAJ rage 1 of 2

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

07-251043

(43) Date of publication of application: 03.10.1995

(51)Int.Cl.

B01D 65/02 B01D 63/02

B01D 63/08 C02F 1/44

(21)Application number: 07-012947

(71)Applicant: TOTO LTD

(22)Date of filing: 30.01,1995 (72)Inventor: SHIMIZU YASUTOSHI

IZUMI KAZUHIRO URYU KATSUJI OKUNO YUICHI

(30)Priority

Priority number : 06 8732 Priority date : 28.01.1994 Priority country: JP

(54) FILTERING METHOD AND FILTER DEVICE

(57)Abstract:

PURPOSE: To efficiently peel the layer of matter to be filtered deposited on the surface of a separation membrane by supplying a predetermined amt, of air to mix the same with a raw soln, to form air bubble streams along the separation membrane.

CONSTITUTION: In a filter device 3, a plurality of plateshaped membranes 4 are vertically arranged so as to be spaced apart from each other and the suction pipe 6 connected to a pump 5 is connected to the upper end parts of the membranes 4 and a first air diffusion pipes 7 are arranged under the membranes 4 while a second air diffusion pipe 8 is provided on the lateral side of the lower ends of the membranes 4. The first air diffusion pipe 7 forms air bubble streams along the surfaces of the membranes 4 and the second air diffusion pipe 8 applies vibration and an impact to the

